

## Subject index

**acute maternal hypoxemia**, Doppler waveform analysis (DWA), fetal heart rate (FHR), fetal ovine model, 1

**asphyxia**, multisystem involvement, neurodevelopmental sequelae, 135

**bilirubin-albumin binding**, neonatal jaundice, hyperbilirubinemia, 37

**biparietal diameter**, pregnancy, type-I diabetes mellitus, early fetal growth, crown-rump length, ultrasound, 91

**birthweight**, pregnancy, zinc, 75

**birth length**, maternal height, birth weight, ponderal index, 181

**birth weight**, maternal height, birth length, ponderal index, 181

**body size**, spontaneous abortion, chromosomally aberrant, pre-pregnant weight, 173

**brain**, iodine deficiency, memory, thyroxine, fetus, 43

**cardiotocography**, vibroacoustic stimulation, fetal monitoring, catecholamines, 11

**catecholamines**, vibroacoustic stimulation, fetal monitoring, cardiotocography, 11

**child development**, circadian rhythm, infant cortisol, mother cortisol, sleep-wake, feeding, 197

**chromosomally aberrant**, body size, spontaneous abortion, pre-pregnant weight, 173

**circadian rhythm**, infant cortisol, mother cortisol, sleep-wake, feeding, child development, 197

**crown-rump length**, fetal movements, pregnancy, type-I diabetes mellitus, 107

**crown-rump length**, pregnancy, type-I diabetes mellitus, early fetal growth, biparietal diameter, ultrasound, 91

**Doppler velocimetry**, uterine arteries, fetal arteries, high-risk pregnancies, 187

**Doppler waveform analysis (DWA)**, acute maternal hypoxemia, fetal heart rate (FHR), fetal ovine model, 1

**early fetal growth**, pregnancy, type-I diabetes mellitus, crown-rump length, biparietal diameter, ultrasound, 91

**endotracheal suction**, preterm infant, respiratory distress syndrome, 87

**feeding**, circadian rhythm, infant cortisol, mother cortisol, sleep-wake, child development, 197

**fetal arteries**, Doppler velocimetry, uterine arteries, high-risk pregnancies, 187

**fetal breathing**, type-I diabetes, pregnancy, fetal movements, 117

**fetal heart rate (FHR)**, Doppler waveform analysis (DWA), acute maternal hypoxemia, fetal ovine model, 1

**fetal monitoring**, vibroacoustic stimulation, cardiotocography, catecholamines, 11

**fetal movements**, pregnancy, type-I diabetes mellitus, crown-rump length, 107

**fetal movements**, real-time ultrasound, second half of pregnancy, 19

**fetal movements**, type-I diabetes, pregnancy, fetal breathing, 117

**fetal ovine model**, Doppler waveform analysis (DWA), acute maternal hypoxemia, fetal heart rate (FHR), 1

**fetus**, iodine deficiency, memory, thyroxine, brain, 43

**gestational age**, sulcal age, sonography, 209

**high-risk pregnancies**, Doppler velocimetry, uterine arteries, fetal arteries, 187

**hyperbilirubinemia**, bilirubin-albumin binding, neonatal jaundice, 37

**immunohistochemistry**, monoclonal antibody, surfactant protein A-containing cells, pulmonary development, 149

**infant cortisol**, circadian rhythm, mother cortisol, sleep-wake, feeding, child development, 197

**iodine deficiency**, memory, thyroxine, brain, fetus, 43

**lung development**, phosphatidylcholine, molecular species, surfactant, mammals, 157

**mammals**, phosphatidylcholine, molecular species, lung development, surfactant, 157

**maternal height**, birth weight, birth length, ponderal index, 181

**mechanical ventilation**, respiratory interaction, respiratory distress syndrome, 69

**memory**, iodine deficiency, thyroxine, brain, fetus, 43

**molecular species**, phosphatidylcholine, lung development, surfactant, mammals, 157

**monoclonal antibody**, immunohistochemistry, surfactant protein A-containing cells, pulmonary development, 149

**mother cortisol**, circadian rhythm, infant cortisol, sleep-wake, feeding, child development, 197

**multisystem involvement**, asphyxia, neurodevelopmental sequelae, 135

**neonatal jaundice**, bilirubin-albumin binding, hyperbilirubinemia, 37

**neurodevelopmental sequelae**, asphyxia, multisystem involvement, 135

**phosphatidylcholine**, molecular species, lung development, surfactant, mammals, 157

**ponderal index**, maternal height, birth weight, birth length, 181

**pre-pregnant weight**, body size, spontaneous abortion, chromosomally aberrant, 173

**pregnancy**, birthweight, zinc, 75

**pregnancy**, fetal movements, type-1 diabetes mellitus, crown-rump length, 107

**pregnancy**, type-1 diabetes, fetal movements, fetal breathing, 117

**pregnancy**, type-1 diabetes mellitus, early fetal growth, crown-rump length, biparietal diameter, ultrasound, 91

**preterm infant**, respiratory distress syndrome, endotracheal suction, 87

**pulmonary development**, immunohistochemistry, monoclonal antibody, surfactant protein A-containing cells, 149

**real-time ultrasound**, fetal movements, second half of pregnancy, 19

**respiratory distress syndrome**, preterm infant, endotracheal suction, 87

**respiratory distress syndrome**, respiratory interaction, mechanical ventilation, 69

**respiratory interaction**, mechanical ventilation, respiratory distress syndrome, 69

**second half of pregnancy**, fetal movements, real-time ultrasound, 19

**sleep-wake**, circadian rhythm, infant cortisol, mother cortisol, feeding, child development, 197

**sonography**, gestational age, sulcal age, 209

**spontaneous abortion**, body size, chromosomally aberrant, pre-pregnant weight, 173

**sulcal age**, gestational age, sonography, 209

**surfactant**, phosphatidylcholine, molecular species, lung development, mammals, 157

**surfactant protein A-containing cells**, immunohistochemistry, monoclonal antibody, pulmonary development, 149

**thyroxine**, iodine deficiency, memory, brain, fetus, 43

**type-1 diabetes**, pregnancy, fetal movements, fetal breathing, 117

**type-1 diabetes mellitus**, fetal movements, pregnancy, crown-rump length, 107

**type-1 diabetes mellitus**, pregnancy, early fetal growth, crown-rump length, biparietal diameter, ultrasound, 91

**ultrasound**, pregnancy, type-1 diabetes mellitus, early fetal growth, crown-rump length, biparietal diameter, 91

**uterine arteries**, Doppler velocimetry, fetal arteries, high-risk pregnancies, 187

**vibroacoustic stimulation**, fetal monitoring, cariotocography, catecholamines, 11

**zinc**, birthweight, pregnancy, 75

## Author index

Acton, R., 75  
Alvarez, J.O., 75  
Arulkumaran, S., 11  
Bedard, M.P., 135  
Bernaschek, G., 187  
Connolly, K.J., 43  
Cutter, G.R., 75  
de Vries, J.I.P., 117  
Deutinger, J., 187  
Downing, G.J., 1  
Endo, H., 149  
Fisk, N.M., 11  
Go, R.C.P., 75  
Goldenberg, R.L., 75  
Greenough, A., 69  
Hird, M.F., 69  
Huang, C.-C., 209  
Hughes, G., 87  
Hunt, A.N., 157  
Kelly, F.J., 157  
Kline, J., 173  
Knudsen, A., 37  
Koepke, T., 135  
Luke, B., 181  
Maulik, D., 1  
Morley, C., 87  
Morssink, L.P., 117  
Mulder, E.J.H., 91, 107, 117  
Nandyal, R., 135  
Neggers, Y.H., 75  
Nicolaidis, P.K., 11  
Nicolini, U., 11  
Oka, T., 149  
Parkes, M.J., 11  
Pharoah, P.O.D., 43  
Postle, A.D., 157  
Prechtl, H.F.R., 19  
Rennie, J., 87  
Rodeck, C.H., 11  
Roodenburg, P.J., 19  
Roseman, J.M., 75  
Rudelstorfer, R., 187  
Shankaran, S., 135  
Spangler, G., 197  
Stein, A.D., 173  
Tannirandorn, Y., 11  
van Es, A., 19  
Visser, G.H.A., 91, 107  
Weg, M.W., 11  
Wilson, G., 87  
Witter, F.R., 181  
Wladimiroff, J.W., 19  
Woldt, E., 135  
Yarlagadda, P., 1  
Yeh, T.-F., 209